

Docket No.: 4528-0117PUS1

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Ras Kaas VESTERGAARD et al.

Application No.: 10/511,320

Confirmation No.: 9216

Filed: October 15, 2004

Art Unit: N/A

For: SUBSTRATE AND METHOD FOR

**MEASURING THE** 

**ELECTROPHYSIOLOGICAL PROPERTIES** 

OF CELL MEMBRANES

Examiner: Not Yet Assigned

## INFORMATION DISCLOSURE STATEMENT (SUBMISSION AFTER FILING OF AN APPLICATION BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE OR CONCURRENTLY WITH A RULE 1.114 RCE APPLICATION)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

## I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-SB08(s), attached hereto.

## II. <u>COPIES</u>



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b.

English language is as follows:



$\boxtimes$	a.	Copies of cited U.S. patents and patent application publications are not
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	b.	Some or all of the documents listed on the PTO-SB08 are not enclosed
becau	se they	were cited in the International Search Report and copies should already be
in the	PTO fi	le. If copies are needed, please contact the undersigned.
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	c.	REFERENCES PREVIOUSLY CITED OR SUBMITTED - Pursuant to 37 C.F.R.
§1.98(	d), con	sideration of information listed on the PTO-SB08 form(s) is requested since
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		filed
III.	CONC	CISE EXPLANATION OF THE RELEVANCE
	(check	at least one box)
	a.	DOCUMENTS IN THE ENGLISH LANGUAGE - The patents, publications, or
other	inform	ation listed on the attached PTO SB08 are in the English language and
theref	ore, do	not require a statement of relevancy.

An English language Abstract is provided for DE 4241045. Also, US Patent 5,501,893 corresponds to DE 42 41 045.

relevance of all patents, publications, or other information listed that is not in the

DOCUMENTS NOT IN THE ENGLISH LANGUAGE - A concise explanation of the





Non-English language documents are accompanied by an English language Abstract.

	c.	ENGLISH LANGUAGE SEARCH REPORT - An English language version of the
search	report	or action that indicates the degree of relevance found by the foreign office
is atta	ched, t	hereby satisfying the requirement for a concise explanation. See MPEP
609(III	I)(A)(3)	i.
	d.	OTHER - The following additional information is provided for the
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IV.	<u>FEES</u>	(check one box)
	a.	This Information Disclosure Statement is being filed concurrently with the
filing	of a ne	w patent application; therefore, no fee is required.
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	c.	This Information Disclosure Statement is being filed within three months
of the	filing o	late of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is
requir	ed. (Th	is section is not to be used with RCE's.)
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	d.	This Information Disclosure Statement is being filed within three months
of the	date of	entry of the national stage as set forth in § 1.491 in an international
applic	ation (3	37 C.F.R. § 1.97(b)(2)). No fee or statement is required.

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This Information Disclosure Statement is being filed concurrently with the e. filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.  $\boxtimes$ f. This Information Disclosure Statement is being filed before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account for the fee as required by 37 C.F.R. § 1.17(p). This Information Disclosure Statement is being filed before the mailing g. date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)). No statement; therefore, a fee as required by 37 C.F.R. § 1.17(p) is attached. or See the statement below. No fee is required. V. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check <u>only</u> one box) The undersigned hereby states that: Each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not

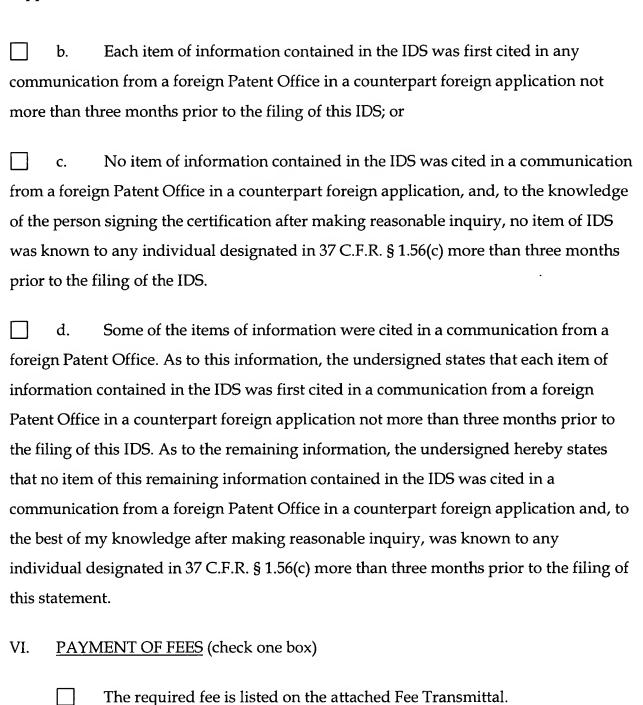
more than 30 days prior to the filing of this IDS; or

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X

No fee is required.

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If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong

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rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated:	May 23,	2005
	A.Can	

Respectfully submitted,

Attachment(s):

$\boxtimes$	PTO-SB08
$\boxtimes$	Documents
	Foreign Search Report
	Fee
$\Box$	Other:

PTO/SB/08a/b (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known		
				Application Number	10/511,320-Conf. #9216	
11	NFORMATION	I DI	SCLOSURE	Filing Date	October 15, 2004	
S	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Ras Kaas VESTERGAARD	
			-	Art Unit	N/A	
1	(Use as many she	eets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	4528-0117PUS1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> ( if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,501,893	03-26-1996	Laermer et al.	

		FOREI	GN PATENT I	OCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code³-Number⁴-Kind Code⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	ВА	WO 03/089564-A1	10-30-2003			1
	BB	DE 4241045-C1	05-26-1994			1
	ВС	WO 94/14187	06-23-1994			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CA	Mayer, M., "Screening for Bioactive Compounds: Chip-Based Functional Analysis of Single Ion Channels & Capillary Electrochomatography for Immunoaffinity Selection"; Ph.D. Thesis, Lausanne (2000)	
	СВ	Neher, E., Nature Biotechnology, Vol. 19, p. 114 (2001)	
	СС	Penner, R., Chapter 1: "A Practical Guide to Patch Clamping", Single-Channel Recording, Plenum Press, New York, pp. 3-30 (1995)	
	CD	Rae, J.L. et al., "Glass Technology for Patch Clamp Clectrodes"; Methods in Enzymology, Vol. 207, pp. 66-92 (1992)	
	CE	Simons, K. et al., "Lipid Rafts and Signal Transduction", Nature Reviews, Vol. 1, pp.31-41 (2000)	
	CF	Madou, M., "Fundamentals of Microfabrication", CRC Press, 2nd Ed. (December 2001), ISBN: 0849308267	
	CG	Neher, E. et al., "The Extracellular Patch Clamp: A Method for Resolving Currents Through Individual Open Channels in Biological Membranes", Pflügers Arch., No. 375, pp. 219-228 (1978)	
	СН	Hamill, O.P. et al., "Improved Patch-Clamp Techniques for High-Resolution Current Recording from Cells and Cell-Free Membrane Patches", Pflügers Arch., No. 391, pp. 85-100 (1981)	
	CI	Christopher Miller (1986), Ion Channel Reconstitution, Plenum Press, Title Page, Table of Contents and page 577	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&#</sup>x27;Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner	Date
Signature	Considered
Birch Stewart Kolasch & Birch LLP	GMM/REG/ils